

**Exhaled gas filter and cooler**

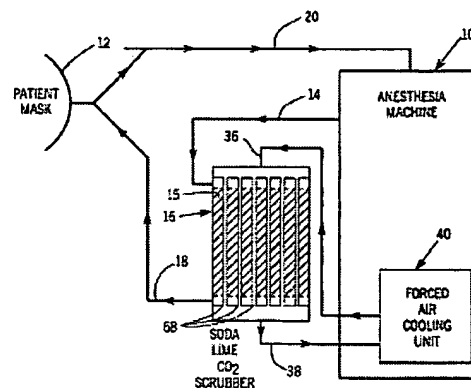
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A method and apparatus are provided for use in the delivery of an inhalation anesthetic to a patient while employing a closed loop or re-breather gas recirculation system. The method and apparatus control the system temperature to minimize heat buildup, including heat buildup resulting from an exothermic reaction between a patient's exhaled breath and a scrubbing substance that removes a selected constituent from the patient's exhaled breath. The apparatus includes an enclosure containing a scrubbing substance. The enclosure defines an influent opening for admitting the exhaled breath along a first path into the scrubbing substance and defines an effluent opening through which gases can be discharged from the enclosure. The apparatus also includes a second path adjacent the first path between inlet and outlet openings whereby a coolant fluid can flow along the second path to remove heat from the interior of the enclosure.



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